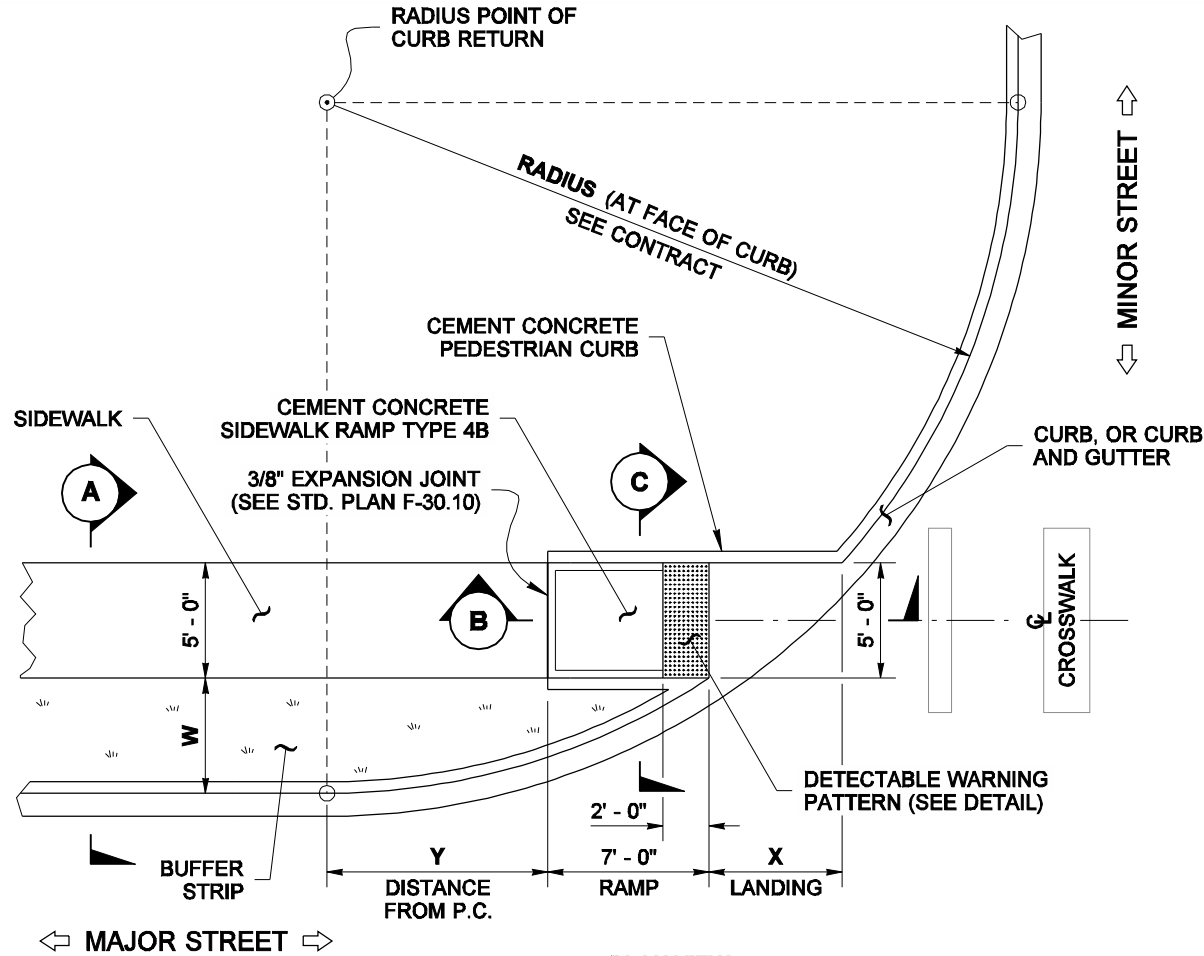
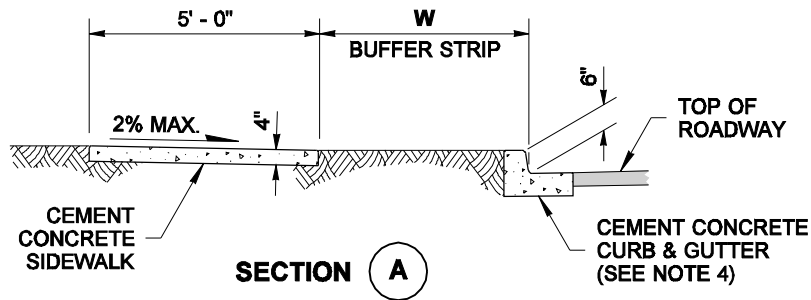


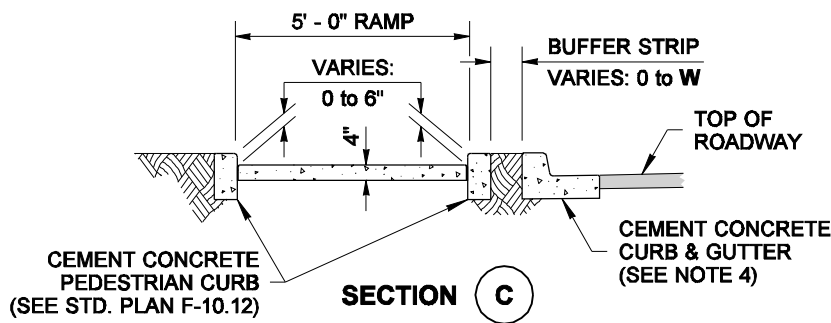
DRAWN BY: MARK SUJKA



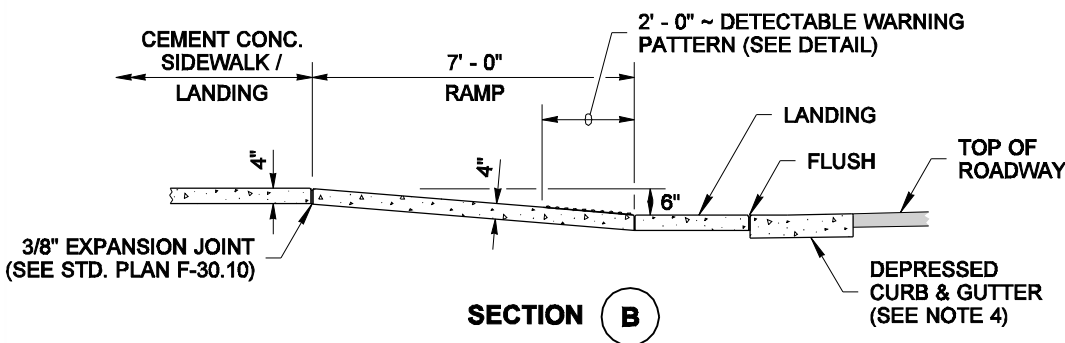
PLAN VIEW  
**SIDEWALK RAMP TYPE 4B**  
PLAN



SECTION **A**



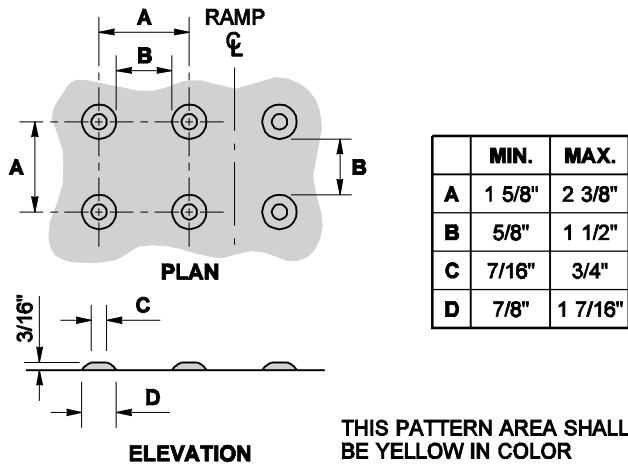
SECTION **C**



SECTION **B**

RADIUS AT FACE OF CURB	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5' - 5 1/2"	3' - 6 1/2"	4' - 8 1/2"	5' - 0"	4' - 1"	6' - 2 3/4"	3' - 7"	7' - 3 1/2"	3' - 1 1/2"	8' - 2 1/2"
30 FEET	7' - 3 3/4"	6' - 1"	6' - 5 1/2"	7' - 11 1/2"	5' - 9 1/4"	9' - 7"	5' - 2 1/2"	11' - 0"	4' - 8 3/4"	12' - 3 1/4"
40 FEET	8' - 9 1/2"	8' - 2 1/2"	7' - 10"	10' - 5 1/4"	7' - 1"	12' - 4 1/2"	6' - 5 3/4"	14' - 3/4"	5' - 11 1/2"	15' - 7 1/4"
50 FEET	10' - 3/4"	10' - 3/4"	9' - 1/4"	12' - 7 1/4"	8' - 2 1/2"	14' - 9 1/2"	7' - 6 1/2"	16' - 9"	6' - 11 3/4"	18' - 6 1/4"
60 FEET	11' - 2 1/2"	11' - 8 3/4"	10' - 3/4"	14' - 6 1/2"	9' - 2 1/4"	16' - 11 3/4"	8' - 5 3/4"	19' - 1 3/4"	7' - 10 1/2"	21' - 1 1/2"
70 FEET	12' - 2 3/4"	13' - 3 1/4"	11' - 1/4"	16' - 4"	10' - 1"	18' - 11 3/4"	9' - 3 3/4"	21' - 4 1/4"	8' - 8 1/4"	23' - 6 1/4"
80 FEET	13' - 2"	14' - 8 1/2"	11' - 10 1/2"	17' - 11 3/4"	10' - 10 3/4"	20' - 10"	10' - 1"	23' - 4 3/4"	9' - 5"	25' - 8 3/4"
90 FEET	14' - 1/2"	16' - 1/2"	12' - 8 1/4"	19' - 6 1/2"	11' - 7 3/4"	22' - 7"	10' - 9 3/4"	25' - 3 3/4"	10' - 1 1/4"	27' - 9 1/2"
100 FEET	14' - 10 1/2"	17' - 3 3/4"	13' - 5 1/2"	21' - 0"	12' - 4 1/4"	24' - 2 3/4"	11' - 5 3/4"	27' - 1 1/2"	10' - 9"	29' - 9"

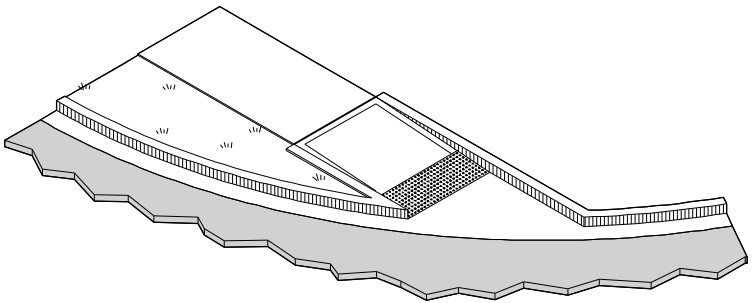
INTERMEDIATE RADII CAN BE INTERPOLATED



DETECTABLE WARNING PATTERN DETAIL

NOTES

1. This layout is used to provide access to a single crosswalk parallel to the major street. The bid item "Cement Conc. Sidewalk Ramp Type 4B" does not include the adjacent Curb (or Curb & Gutter), the Sidewalk, or the Cement Conc. Pedestrian Curb.
2. Ramp slopes shall not be steeper than 12H:1V.
3. Avoid placing drainage structures, junction boxes or other obstructions in front of ramp access areas.
4. Curb & Gutter is shown, see the Contract Plans for the curb design specified. See Standard Plan F-10.12 for curb details.
5. See Std. Plan F-30.10 for sidewalk joint placement and details.
6. The bottom of the ramp shall have a level area (not in excess of 2% in any direction), 4' x 4'.



ISOMETRIC VIEW



EXPIRES AUGUST 26, 2007

**SIDEWALK RAMP TYPE 4B**  
**WITH LAYOUT**

**STANDARD PLAN F-40.18-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Ken L. Smith**

STATE DESIGN ENGINEER

**02-07-07**

DATE



Washington State Department of Transportation